Department	. 3
Subject	
Name	MG
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National *9rand Computation N 113/4* x 91/4*, 4 x 4 Quad., 75 Sheets	40 040
II I S	45-040

Ruben EXHIBIT #129

> Ruben EXHIBIT 2129 Ruben v. Wiley et al. Interference No. 105,077 RX 2129

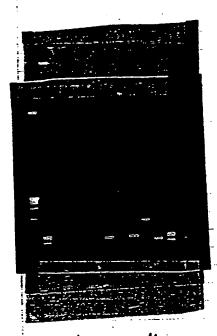
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2-2-76	Tacl	AD	füΥ	(un (i) med	price
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	4616.		Hindu		lesuite file: A:	\WORT_RES		Method name: A:\DEFA	
	4618		Bant Z Bant I Hinly	5'	issay type: Gene Formala setup: Y Sampling device: Read average tim	IEW One cell	Concentration	Units: ug/mi Background Correctio Concentration: (No) Feak Pick: (No)	a: flo l
	•				Sample abs	aba	260.0 mm	260.0 am	
	4620		Barti	,	• • • • • •	280.0 am	280.0 10	260.0 nm	• 0
	4622		5ey 15-41 105p ^{7/8}		1 466 0.0519 2 467 0.0400 3 466 0.0394 4 467 0.0484	0.0278 0.0260	1.5821 1.4471 1.5125 1.4830	0.6402 c.7 0.6910 3.7 0.6811 0.6 0.6743 0.9	
					5 461-0.0445 8 -6110.0613 7 46720.0556	0.0374	1.5301 1.6401 1.4065	0.6536 0.7 0.6097 1 0.7110 0.9	
	F	ock for	(=nstru	eel :	·	Enzvin	101/	10 ±	
1	HCA	cichz	4	319+43	320 3	Bauti -	HSP718	Vector PAZ	£
2	HCA	lcubz	4	319+14	3513	()	<i>K</i> ~	сНа	
3	Нτ	PA CT	Trail) L	4616 † 4	16175	Hindse +	Bart 2	PQZ9	
4	HT	pa (Tr	ail) 4	616+4	6185	Hinez +	Bauti	pa=9	
5	НТ	4	40	619 + 41	6205'	Hinds	f Ball	pazg	
6	Ho	FMBOJ	46	21+4	6223'	Bautli +	HSP718	PAZ	
7	HT	7132161	45	577+4.	578 3'	Вані+	xbal	Az-GP	
						• • .	•		

PCR: for HITT BUGI 2-8-96

use T3 primer + 4579 primer

Tote 5rd Riving 3% agaroce gel for Southern Blot.





O HERA

(17)

(1) HLGX

(if) HKL

(3) HF

(19)HFS

(4) HBM

المن الله (2) HA

S F. Brain

(22) HH MA छी भाग A

(3) Hela (7) pinu ! eck

eà LV 125) Hela

(8) HUE 9 HET

(B) HOF

(1) HPL

ATH (I)

13 HES

(4) HLIH

THP? (H SOB

peneture 5 ffer lebling HTTRAGO Bout specific priner &

(ing) Hittsibi Fried

10x T4 pak Builter

. of 30

Sec

Y-31PATP

Ty Kinase Enzymer (puk)

42×

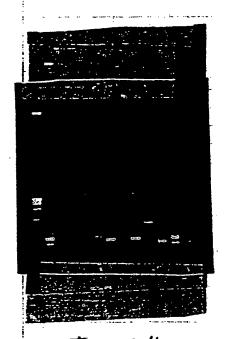
37°C raid long of spiner DAH round priner Balli

(ontex: 1×108/200ml.

49/9/

PCR: for HITT GNIGI 2-8-96

> use To primer + 4579 primer True 5rd Runing 3% agaroce gel for Southern 13lat.





() HEQA (17) (E) HLGX (if) HKL (3) HF (14) HFS الله الله W HBM G F. Brain £शमा (£

(b) Hela 1 pinv! al (B) HOF

Più LV (25) H da

MHET (13 HAF

(1) HPL

(3) HE8 (4) HUH

(J) HPO! (B) H 50 8

penature & ffiel Take the get put in 300ml Dementeres Beffer ad RT 1 hr

Neutredration Beffer sound shate the gel at RT. about 30'

= otroxssc transfer. Neckand

- male olijo probe: use HTTBNB1 (4577) priner BaHI

(ontex: 1×108/2001.

2/9/ale

per for construed: 2-9-96 Runing 3% low meeting gel: Before cut (NKEF) I HCACU62 (Fas L). 17) HIK 4 HTPA 14 HKL (Fuglike) 5 HT4 14)HFS (Fail)
3 HTPH (1) III 6 HOFMB.9 (TAFR) E) HE 7 HTTBN61 الم 111 (كونة 3) HTXA **建工工工工工工** eig LV 3 Hzin at 70° 6 10' phenal / 4 x 3 ETOH ppt (c/weekend) 2-12-96. Degestion by Judyner 30八 out + Hw ルロス at 3/c incubate 2hrs. phenol (A X 3)) Tate 31 of each so LETOPT .

2-12-96 Combinit (5676 for sequency)
HPPOIZ
USEPRES'+5' priner

2-12-96 Ligation to vector.

3 HTPA pazq

4 HTPA pazq

5 HTU pazq

6 HOFMBOJ PAL

7 ATTBNO AL-GP

2-13-96 transformation to XLIBINE cell

2nd to 100ml XLIBINE cell

onice 15'

42'c 1' and 1ml LB

37'c 1hr

pour plats 500 x (LB+Amp plats)

2-1496

set for reprising

(55

wash Southern Blot at RT 2 Zime Exp. 4 hrs

pick up single cloneis To road CB+ Bup male per leasting. grow up DrA #2 - 12 all construed per priner use vect-i primer 2-15-96 made DLA prep: Base: ". BECKHAN DU-600 Peclaic Acid 1,0075 17:15:617

2-14-96 pickup 12 clone from Hirisit! Pir pr -clin: add 100ml England Ruffer ot RT 10' (2mtrifuge 10' 70% 570H wash resurrend in 10ml of Hoo Runny on the get to check the onth Submit for segunding. primer use HITGUG! RPR3



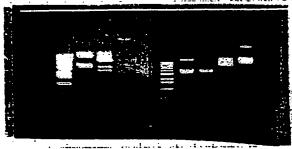
1-8 10-12 use 4nd of onA

Degestion

HEARWEZ HTPA HTTTBUE I

IIE un cut un cut un cut

Z



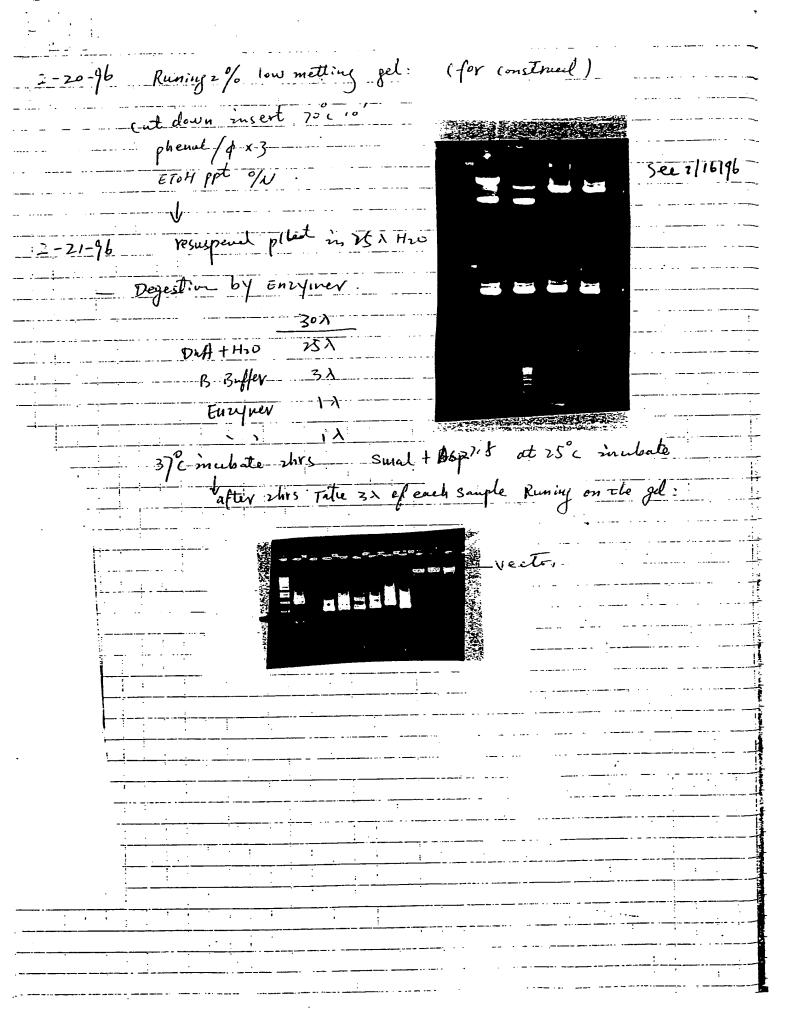


2-15-96

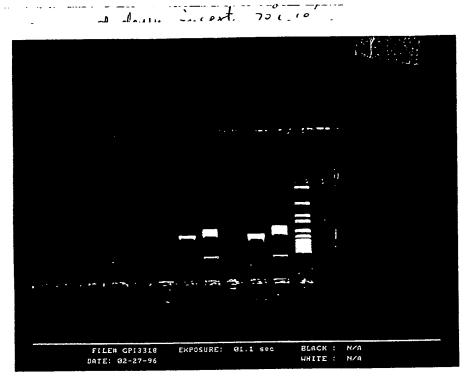
=-15-96	-(;	ration wain		201	
	#1	HEALLEZ HTPA (Trail)	P42 P4E9	37	DAA insert vector
	#4	HTPA (Trail) HT4	pu = 9 pu = 9	4 八 1 入 9 入	THE OWA Ligar How
		HOFMBOG	PA2	RT 3.5	- hrs:
÷	# 7	HTTBN61	Az-Gp		• : :

Per for construent : primer Enzymer Vector 2-16 4335 + 4336 PA 2 HSABH 13 (i)PAZ PAZ HTXE133 4292+4293 (2) 6 milet as p. 18 4621 +4622 HOFMB09 3 Az-GP BarrierXhar 4577+4578 HT713261 pazg HPDD012 4581 + TUFOHINE BUTTERE (F) v HTPA (Trail)4616+4617 115 paz 9 6~ HTPA (TML) 4616+4654 (HTP47) E WEI KOUT 4619+4620 8 H74 4657+4656 9 (HATOUB)

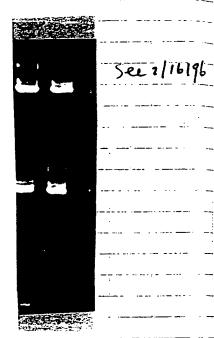
2/20/96



=-20-96 Runing 2 % low metting gel: (for construed)

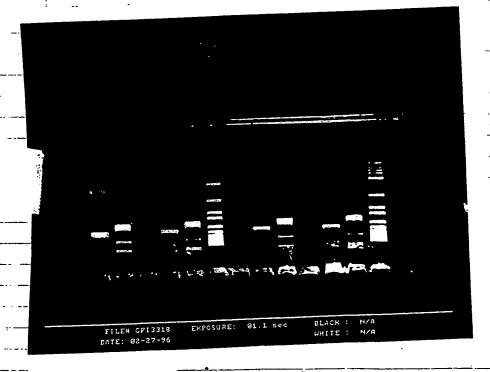


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5°c inubate

after whis Tale 32 of each Sample Runing on the gel:

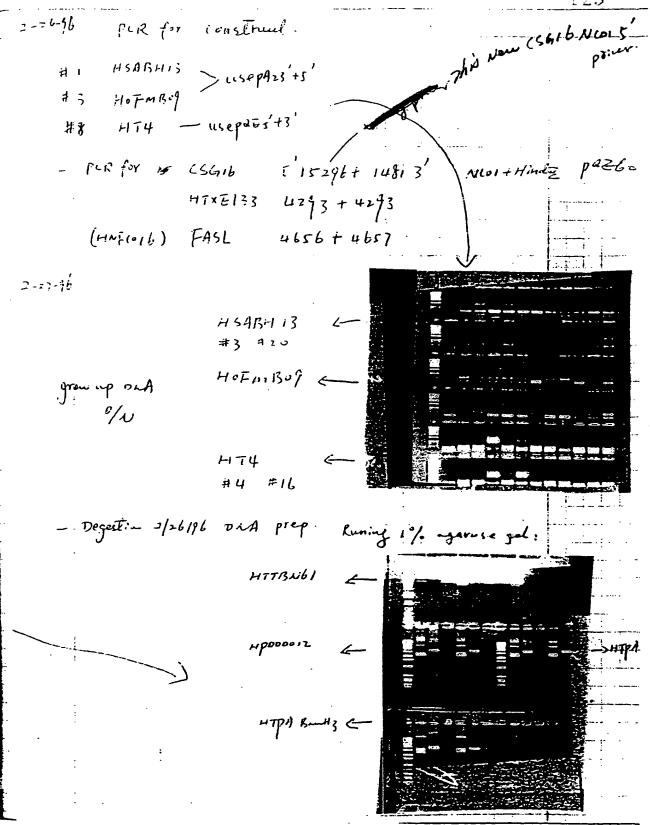


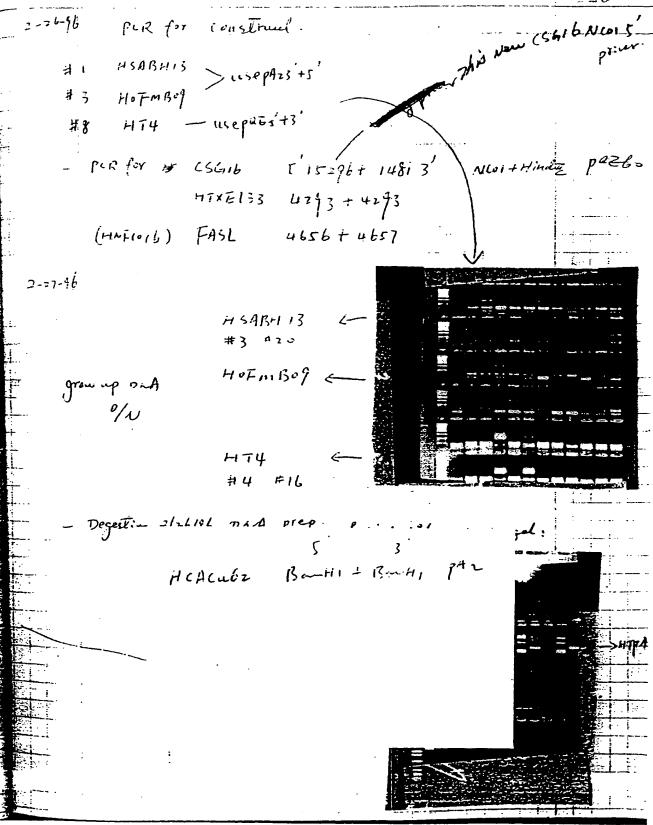
2-21-96 Degester patquestes Cut by Banks + Hindi E. paid -2/16/96 Tate ful Runing gelf Bautit Hind E 2-22-96 PCR fir constitued See pag 125 P-R pr. Promega Brifer (direct purification. Bother) imi Per paps and purification Resin) oth RT insulate 2' pass column 80% isoprepared wach x 2 SOUL HOW Tate 5rd Runing on the gel. Tale is a degestion by Enrymen : after elegestion: pheulop x3 ETOH ppt. resuspend in loud 400 ligation into vecto:

```
2-23-96
                      insephts +3 rector prom
done:
                                                       11114 251 1559
PATE: 62 251 35
                                      #14
                                                  4
                 #2
                         #3
                                                   5
                                                  6
                         # 2
                #1
                # 1
                         井工
                   male Del prep:
Sample
        eda
                abs
[3
        260.0 am
                280.0 am
                                 280.0 am 260.0 am
                  0.1364)
0.0933 urrabl
                                          0.5886
         0.2317
                                  1.6990
                                                        5.8.
         0.1649
                                           0.5656
                                  1.7679
                  0.0933 Nins
         0.0704
                                  1.7461
1.8850
                                          0.5727
         0.0505
                  9.9427
                                                        z. o .
                                           0.5305
                  0.0271 Hpmeil
0.04724 Ppmeil
         0.0536
                                  1.3729
                                          0.5069
                                                        1.3.
         0.0877
                                   1.8594
                                           0.5378
                                                       2.2.
                  0.0381
0.0339} ~T月計
         8.0730
                                   1.9152
                                           8.5221
  6-2 9.0851
                                           0.5212
                                  1.9186
                  0.0415 HTP 45-45 1.9239
         9.8798
                                           0.5198
                                                       2.0 .
 10 7-2 0.1008
                                                       z.5.
                                           0.5277
                  11 6
         0.0623
                                           0.6144
 12 57
         0.0761
                                           0.6223
      Submit for sequencing
HTTBN61 use pt2 1'+5'
        Hpase.L
```

.

НТРА НТРАТ





1 0 to	
2-27-96	12941 PAZ /AZGP 3'
	1474 - PAZ 5'
	2785 A2GPS
2-18-96	Results file: A:\WORK_RES Hethod name: A:\DEFAULT
	Assay type: General Satio and Concentration Formula setup: FIEW Sampling device: One cell Read average time: 0.50 sec Units: ug/ml Background Correction: [%] Concentration: [%] Feak Pick: [%]
	Sample and abs 250.0 nm 280.0 nm 260.0 nm 250.0 nm 250.0 nm
	1 > 0.9443 2.0233 = 174 1.3498 0.5466 1.8
•	Submit for soqueneing.
	HSABHIS #3 PAZZ'+5'
•	HTU #U POZ3'+5'
2-78-96.	(HLAIHESS) TATRECORDE FULL FORWARD
:	Keversey
	HTTISLES RPR3 R4
	Rf°1 (F
÷	F;
•	R3 NS
•	Repeat Sequerity F4
i	Reverser > add 1% DMSo
•	F3

= /1/16

5 5446 (0.0358

0.0244

0.0184 516

0.0130 #15

1.9322

1.8756

0.5176 6.9

こり奉一

<u></u>	•
5-4-16 Degastion DAA (Seep-je 131)	P. Her
(1) HT4 PAE9 BanHI+HimlE	ß
2 HSABHI3 PAZ Bulli + ASP718	ß
(3) HTXE133 PAZ Sound + ASP 718	A
(4) HTTBUGI Az-GP Bouth + xbal	A
(CSG16 pazbo Noo1 + Hindz	& :
Runing 1% ngavose gel:	:
HT4 BL BL ILb wh BL BL ILb who BL BL ILb who BL BL BL BL BL BL BL B	BL HEB CUI (into
1146 un pot un pot BUBL 146 un por	C5416 PQE60
	- 4

	133
3-5-16 Decesion for H1713vib1/Az-4p 49 None	:
(m²/w.	
Fransfermet + 7115 will	•
Hpopoliz #3 (love	<u>.</u>
HTPANOSSOU \$2 clone (6hori) HTPANOSSOU #2 clone (long)	
	· · · · · · · · · · · · · · · · · · ·
pour plats (LB+A+x)	
3-6-96 grow up closes at US+A+K medium 3) c %.	
HTPA (Short)#25 - 8 HTPA (Long) 329 - 12	
CSG6 14-15 CSG7 16-17	
3-7-96 Fate 30x to 3ml LB+A+K. 37°C 25 hrs mid 30 x 1pT4 to 3ml 31°C 3hrs	

Neg E

3-7-16 Tile BOOX sas looding 15ther Runing 10% 505 page: #1 gel: |m| RL| 1 | 1 | 2 | 2 + | 3 | 3 + | 4 | 4 + | # 2 gel: |m|515+|616+|717+|8|8+| BL| # 3 gel: [m[91]+ | 10 [10+] 11] 11+ | 13L | 12 | 12+ | # 4 get: [m] 14 | 14 + | 13 L | 15 | 15+ | 16 + 16 | 17 | 17+] 3-8-96 France uponon /1839 Bouts + 1 2.3.4 HTP4 (Tail short)/p469 Bruth+Hind= #5.6.78

High fractions / pas Books winds #9 10 1112

135 7-7-96 PeR for HTU (constraint) in uns Gel use 461j +4620 specific priver. 707al 36 clone. Kuming, % agevoce gel: (protection) 3/14/96 Jim N: Title HPODVIZ HTPA - short PT

protein melicity

1 1 2 30 A +0 3 ml 13 19 14 (medium

1 37° 2 2.5 hrs

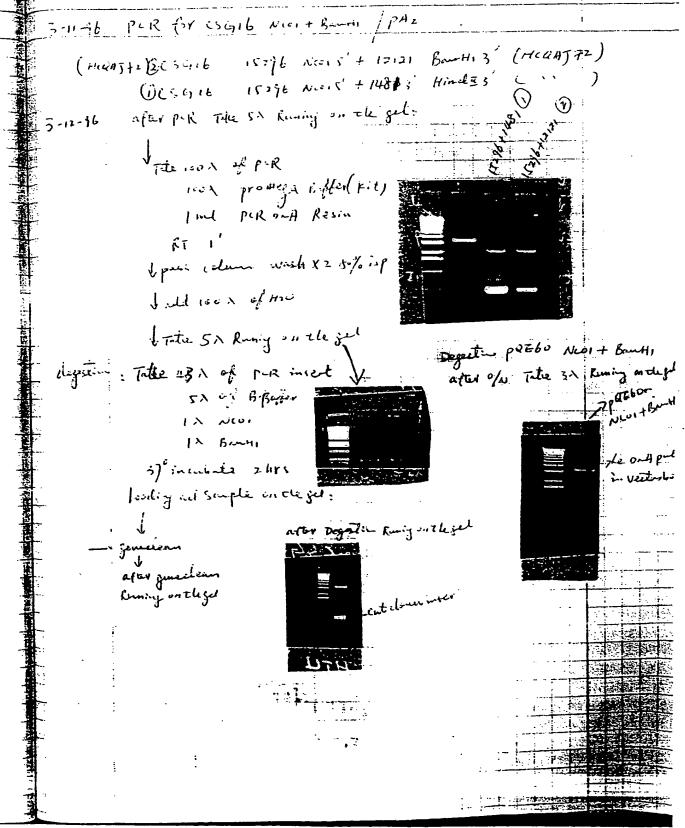
1 37° 3 hrs

Lenning 15% 30 5 page 30° grand

Charles Holl

Charles Ho

Repet (5616) construer See 3-11-96.



3-13-76 HT4 (onstured)

Dezelle Butt 1 tindig.

3) c =hr:

I phenol X }

I cholor X I

U = 704 ppt

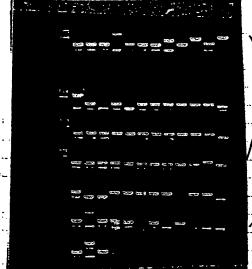
V vesuspend in 1 coul H10

- Liget:w: to page veeter (Bouts+HindE)

- Fransformal - to mit tell:

- 37°C %

3-14-96 PCR for CSG16 / PGE60 NCOI+ BOWHI HTULYZ/PGE9 BOWHI + HINTE USE PGE3 +5' primer



pickup clone

after per profe

SUPERVISOR COLUMN DATE 03/14/9/

CSG16 prole: 3-15-96 HTU riegol csait HT4 #1 gel: m BL 1 1+ # 2 gel: |m| 5 | 5+ | 6-16+ | 717 #18cl : 45616/paz60 clove from to The Ni 3/26/16 (5616/patebo 3-15-96 forceing-80° clone C5616 #1 . Z 3-17-46 داسو HT46272 #5 76 prep: for es Gib #1. 2 3-18-96 HT4 CO72 # 5, 6 Assay type: General Ratio and Concentration Units: ug/ml Formula setup: VIEW Background Correction: [No] Sampling device: One cell Read average time: 0.50 sec Concentration: [No] Peak Pick: [No] 260.0 nm 280.0 nm 1.500 Sample abs abs 280.0 nm 260.0 nm ID 280.0 nm 260.0 nm 1544 1 0.0406 0.0209 1.9434 1.8681 144/1 0.5148 2 C 5416 #20.0330 HTW #FO .0330 HTW #FO .0754 HTW #60 .03415 PURSUA O .0656 0.0176 0.5353 0.5387 0.0408 1.8565 0.0161 2.1179 1.8287

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